

In the Claims:

Please amend claims 1, 4, 5, 10-16 and 18-19 as follows:

1. (Currently Amended) An electronic watch comprising at least an antenna, an information processing apparatus for the purpose of processing information captured by said antenna, a watch movement including therein said information processing apparatus, a watch dial and a metal exterior parts capable of housing therewithin said antenna, and said watch movement, said metal exterior having an outer case and a caseback, wherein said metal exterior parts is configured so that said antenna can receive magnetic flux from outside said metal exterior parts, and can resonate,

said antenna being in the vicinity of said information processing apparatus and surrounded by said outer case and said caseback,

wherein ~~said outer case and caseback are formed from metal, and~~ said antenna is disposed inside a space surrounded by said outer case, said caseback and said watch dial together with said watch movement, so that said antenna overlaps with said watch dial in a planar manner, and wherein said watch dial is made of a non-metallic material.

2. (Canceled)

3. (Previously Presented) An electronic watch comprising at least a watch dial, an antenna, a watch movement for the purpose of processing information

captured by said antenna and a metal exterior parts capable of housing therewithin said antenna, and said watch movement,

wherein said metal exterior parts is configured so that said antenna can receive magnetic flux from outside said metal exterior parts and can resonate, said metal exterior parts having an outer case and a caseback,

further wherein said antenna is disposed inside a space surrounded by said outer case, said caseback and said watch dial together with said watch movement, so that said antenna overlaps with said watch dial in a planar manner, and wherein said watch dial is made of a non-metallic material,

further wherein said electronic watch includes a solar cell, which serves as the drive power of said watch movement, between said watch dial and said watch movement, said solar cell being substantially formed by a material that is non-metallic material and that is also magnetically permeable.

4. (Currently Amended) An electronic ~~device~~watch according to claim 3, wherein said solar cell is in the shape of a film using a non-metal sheet.

5. (Currently Amended) An electronic ~~device~~watch comprising at least an antenna, an information processing apparatus for the purpose of processing information captured by said antenna, and a metal exterior parts capable of housing therewithin said antenna and said information processing apparatus, wherein said metal

exterior parts is configured so that said antenna can receive magnetic flux from outside said metal exterior parts, and can resonate, and also wherein at least a part of said metal exterior parts has an electrical resistance value that is different from another part of said metal exterior parts.

6. (Cancelled)

7. (Previously Presented) An electronic watch according to claim 5, wherein said metal exterior parts is configured so as to be able to suppress the generation of eddy currents in said metal exterior parts in a condition in which said antenna resonates.

8. (Previously Presented) An electronic watch according to claim 5, wherein said metal exterior parts is made of one or a plurality of materials selected from a group consisting of stainless steel, titanium, a titanium alloy, gold, a gold alloy, silver, a silver alloy, copper, a copper alloy, brass, aluminum, an aluminum alloy, zinc, a zinc alloy, magnesium, a magnesium alloy, and an ultra-hard metal (an alloy including tungsten carbide and tantalum carbide).

9. (Previously Presented) An electronic watch according to claim 5, wherein said metal exterior parts is formed by a least two metal members.

10. (Currently Amended) An electronic watch according to claim 9,

wherein said metal exterior parts comprises ~~a body (side) member~~ an outer case and a caseback member, wherein said ~~body (side) member~~ outer case and said caseback member are mutually joined together.

11. (Currently Amended) An electronic watch according to claim 10,

wherein said ~~body (side) member~~ outer case and said caseback member are either mutually held together or mutually removably joined together.

12. (Currently Amended) An electronic watch according to claim 10,

wherein said ~~body (side) member~~ outer case and said caseback member are mutually joined by one or a plurality of methods selected from a group consisting of a screw method, an internal threading method, a holding method using a plurality of threaded bolts, a crimping method, a packing holding method, a dowel biting holding method, a snap method, a welding method, a brazing method, a bayonet method, and a solid-state diffusion joining method.

13. (Currently Amended) An electronic watch according to claim 10,

wherein in said metal exterior parts said ~~body (side) member~~ outer case and said caseback member are integrally configured as one, and wherein said ~~body member~~ outer case is configured so that a plurality of body sub-members are mutually joined.

14. (Currently Amended) An electronic watch according to claim 13,

wherein in said metal exterior parts said ~~body (side) member~~ outer case and said caseback member are integrally configured as one and wherein said metal exterior parts is formed by an inner body member and an outer body member, said inner body member and said outer body member being mutually joined together.

15. (Currently Amended) An electronic watch according to claim 10,

wherein in said metal exterior parts said ~~body (side) member~~ outer case and said caseback member are integrally configured as one, and wherein one part of said ~~body member~~ outer case comprises at least one inserted member selected from a group consisting of a pipe, a glass, a bezel, an internal register ring, and an dial open.

16. (Currently Amended) An electronic watch according to claim 1, 3,

5 or 9, wherein of a plurality of members forming said metal exterior parts, an electrical resistance value of a metal forming one member thereof is different from an electrical resistance value of a metal forming another part.

17. (Previously Presented) An electronic watch according to claim 16,

wherein an electrical resistance value of a mutually joining part of a plurality of members forming said metal exterior parts is different from an electrical resistance value of a metal forming said metal exterior parts.

18. (Currently Amended) An electronic watch comprising at least a watch dial, an antenna, a watch movement for the purpose of processing information captured by said antenna, and a metal exterior parts capable of housing therewithin said antenna and said watch movement,

wherein said metal exterior parts is configured so that said antenna can receive magnetic flux from outside said metal exterior parts and can resonate, said metal exterior parts having an outer case and a caseback,

said antenna being in the vicinity of said watch movement, wherein said outer case and caseback are formed from metal, and said antenna is disposed inside a space surrounded by said outer case, said caseback and said watch dial together with said watch movement, so that said antenna overlaps with said watch dial in a planar manner, and wherein said watch dial is made of a non-metallic material,

and wherein said body (side) member outer case and said caseback member are mutually joined together, the mutual peeling force between said body (side) member outer case and said caseback member being 10^4 N • m to 6.0 N • m.

19. (Currently Amended) An electronic watch comprising at least a watch dial, an antenna, a watch movement for the purpose of processing information captured by said antenna, and a metal exterior parts capable of housing therewithin said antenna, and said watch movement,

wherein said metal exterior parts is configured so that said antenna can receive magnetic flux from outside said metal exterior parts and can resonate, said metal exterior parts having an outer case and a caseback,

said antenna being in the vicinity of said watch movement, wherein said outer case and said caseback are formed from metal, and said antenna is disposed inside a space surrounded by said outer case, said caseback and said watch dial together with said watch movement, so that said antenna overlaps with said watch dial in a planar manner, and wherein said watch dial is made of a non-metallic material,

and wherein said body (side) member outer case and said caseback member are mutually joined by a screw mechanism, the mutual loosening torque between said body (side) member outer case and said caseback member being 0.1 N • m to 6.0 N • m, and preferably being 0.2 N • m to 3.5 N • m.

20. (Previously Presented) An electronic watch according to claim 17, wherein at least one part of a plurality of mutually joining parts formed between said outer case and said caseback each forming said metal exterior parts, has an inserted member interposed therebetween, said inserted member having an electrical resistance value differing from an electrical resistance value of a metal forming said metal exterior parts.

21. (Previously Presented) An electronic watch according to claim 20, wherein said inserted member is a member formed separately from a plurality of members forming said metal exterior parts.

22. (Previously Presented) An electronic watch according to claim 20, wherein said inserted member is at least one member of a plurality of members forming said metal exterior parts and is a film formed on a member making contact with said metal exterior parts.

23. (Previously Presented) An electronic watch according to claim 22, wherein said film is formed by an appropriate surface treatment and/or hardening treatment of a least one part forming said metal exterior parts.

24. (Previously Presented) An electronic watch according to claim 23, wherein said surface treatment is one method selected from a group consisting of a wet plating method, a dry plating method, and heat treatment.

25. (Previously Presented) An electronic watch according to claim 20, wherein an electrical resistance value of said inserted member is larger than an electrical resistance value of a plurality of members forming said metal exterior parts.

26. (Previously Presented) An electronic watch according to claim 20, wherein said inserted member is made of one material selected from a group consisting of resin, rubber (organic), an oxide insulated material, a thin film, ink, and a paint.

27. (Previously Presented) An electronic watch according to claim 17, wherein a non-contacting part is formed on at least one part of said joining part formed by the joining of at least two metal members in said metal exterior parts.

28. (Previously Presented) An electronic watch according to claim 27, wherein one part of a joining surface in at least one metal member of at least two metal members forming said joining part is removed to form a gap between said joining parts.

29. (Previously Presented) An electronic watch according to claim 28, wherein a height of said gap is 0.1 to 1000 μm and preferably 60 to 160 μm .

30. (Previously Presented) An electronic watch according to either claim 27 or claim 28, wherein said metal exterior parts comprises said outer case and said caseback which are integrally formed as one, and further wherein in a case in which said outer case and said caseback are mutually joined by a screw mechanism, one part of said screw mechanism is removed to form said gap.

31. (Previously Presented) An electronic watch according to claim 29, wherein the planar surface area of at least one part of a joining surface formed by a joining of at least two metal members in said metal exterior parts is formed so as to be smaller than the planar surface area of the remaining part.

32. (Previously Presented) An electronic watch according to claim 19, wherein the material thickness of at least one part of said body member and/or said caseback member to which a coil of said antenna is projected, is thinner than the material thickness of the other part of said body member or said caseback member.

33. (Previously Presented) An electronic watch comprising at least an antenna, an information processing apparatus for the purpose of processing information captured by said antenna, and a metal exterior parts capable of housing therewithin said antenna and said information processing apparatus, wherein said metal exterior parts is configured so that said antenna can receive magnetic flux from outside said metal exterior parts, and can resonate, and also wherein said antenna is configured so that said antenna is provided with a straight or curved magnetic core having a maximum longitudinal length that is shorter than the maximum diameter of the metal exterior parts.

34. (Previously Presented) An electronic watch according to claim 33, wherein said antenna is disposed in the vicinity of a peripheral end part of said metal exterior parts.

35. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18 or 19, wherein said antenna is configured so that said antenna is provided with a straight or curved magnetic core having a maximum longitudinal length that is shorter than the maximum diameter of the metal exterior parts.

36. (Previously Presented) An electronic watch according to claim 35, wherein said antenna is disposed in the vicinity of the outer periphery of said metal exterior parts.

37. (Cancelled)

38. (Previously Presented) An electronic watch according to any one of claims 20, 27 or 28, wherein said antenna is disposed in the vicinity of said inserted member said non-contacting part or said gap.

39. (Previously Presented) An electronic watch according to claim 38, wherein said inserted member, said non-contacting part or said gap of said metal exterior

parts is formed either continuously or intermittently in said joining part surrounded by a fan-shaped region formed by both end parts of said magnetic core of said antenna having a prescribed length and the center part of said metal exterior parts.

40. (Previously Presented) An electronic watch according to claim 39, wherein said fan-shaped region is a region expressed as a ratio between the core length of said antenna and the angle of said joining part.

41. (Previously Presented) An electronic watch according to claim 39, wherein an angle range of said fan-shaped region is 30 to 180°, preferably is 50 to 120°, and more preferably is 60 to 90°.

42. (Previously Presented) An electronic watch according to claim 1, 3, 5, 18, 19 or 33, comprising an electrically conductive part in at least one part of said metal exterior parts.

43. (Previously Presented) An electronic watch according to claim 1, 3, 5, 18, 19 or 33, wherein an L value of said antenna is 1600 mH or less.

44. (Previously Presented) An electronic watch according to claim 43, wherein said L value is 800 mH or less.

45. (Previously Presented) An electronic watch according to claim 43,
wherein said L value is 220 mH or less.

46. (Previously Presented) An electronic watch according to claim 1, 3,
5, 18, 19 or 33, wherein a coil resistance value of said antenna is 1 k Ω or less.

47. (Previously Presented) An electronic watch according to claim 46,
wherein said coil resistance value is 400 Ω or less.

48. (Previously Presented) An electronic watch according to claim 46,
wherein said coil resistance is 100 Ω or less.

49. (Previously Presented) An electronic watch according to claim 1, 3,
5, 18, 19 or 33, wherein a number of coil turns of said antenna is 1000 or greater.

50. (Previously Presented) An electronic watch according to claim 49,
wherein said number of coil turns is 1500 or greater.

51. (Previously Presented) An electronic watch according to claim 1, 3,
5, 18, 19 or 33, wherein said coil wire has a wire diameter of 0.1 mm or less.

52. (Previously Presented) An electronic watch according to claim 1, 3, 5, 18, 19 or 33, wherein said antenna is disposed so as to come into contact with an inner surface of said metal exterior parts.

53. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said antenna is disposed with a gap between it and an inner surface of said metal exterior parts.

54. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that the thickness of a body member of said metal exterior parts is 300 µm to 5000 µm.

55. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that the thickness of a body member of said metal exterior parts is 500 µm to 2000 µm.

56. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that a gap between said inner surface of said body member and said antenna is 0 to 40000 µm.

57. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that a gap between said inner surface of said body member and said antenna is 500 µm to 10000 µm.

58. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that the thickness of a caseback member of said metal exterior parts is 100 µm to 5000 µm.

59. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that the thickness of a caseback member of said metal exterior parts is 300 µm to 2000 µm.

60. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that a gap between an inner surface of said caseback and said antenna is 0 to 5000 µm.

61. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said metal exterior parts and said antenna are set so that a gap between an inner surface of said caseback and said antenna is 100 µm to 700 µm.

62. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein an inner surface of a body member of said metal exterior parts and an outer surface of said antenna are substantially parallel.

63. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein an inner surface of a caseback member of said metal exterior parts and an outer surface of said antenna are substantially parallel.

64. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein a caseback member of said metal exterior parts is formed with a planar secondary shape.

65. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein one end surface of two end parts of said antenna is substantially perpendicular to an inner surface of a caseback member of said metal exterior parts.

66. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein a non-magnetic material having an electrical resistivity of $7.0 \mu\Omega \cdot \text{cm}$ or less is fixed to an inner surface of said metal exterior parts.

67. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said non-magnetic material is one material selected from a group consisting of gold, a gold alloy, silver, a silver alloy, copper, a copper alloy, brass, aluminum, an aluminum alloy, zinc, a zinc alloy, magnesium, and a magnesium alloy.

68. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said antenna comprises a magnetic core and a coil multiply wound around said magnetic core, and wherein a member to which said antenna is projected parallel along at least one plane that includes the axis of said magnetic core or a part to which said member is projected, is made of a non-magnetic material.

69. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein said antenna comprising a magnetic core and coils multiply wound around said magnetic core is configured so that at least an end part of said antenna or a member corresponding thereto, or a part corresponding to the member be made of said non-magnetic material.

70. (Previously Presented) An electronic watch according to any one of claims 1, 3, 5, 18, 19 or 33, wherein at least one of said body (side) member outer case and caseback member is subjected to surface treatment and/or curing.